PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION as w	see Form PCT/ISA/220 rell as, where applicable, item 5 below.
SMC 60632/WO International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB2004/004973	25/11/2004	28/11/2003
Applicant	-	
AVECIA LIMITED		
according to Article 18. A copy is being tra		uthority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	a copy of each prior art document cited in the	nis report.
Basis of the report With regard to the language, the language in which it was filed, units to the language in which it was filed, units to the language in which it was filed.	international search was carried out on the t less otherwise indicated under this item.	pasis of the international application in the
this Authority (Ru	le 23.1(b)).	nslation of the international application furnished to
		ed in the international application, see Box No. I.
2. Certain claims were fou	ind unsearchable (See Box II).	•
3. X Unity of invention is lac	king (see Box III).	
4. With regard to the title, the text is approved as su	ubmitted by the applicant.	
X the text has been established	shed by this Authority to read as follows:	
ORGANIC SEMICONDUCTING BINDER POLYMERS	G LAYER FORMULATIONS COMPR	ISING POLYACENES AND ORGANIC
5. With regard to the abstract,		
	ubmitted by the applicant.	arib, as it agrees in Rev No. IV. The applicant
the text has been estable may, within one month from	shed, according to Hule 38.2(b), by this Authorn the date of mailing of this international se	ority as it appears in Box No. IV. The applicant earch report, submit comments to this Authority.
6. With regard to the drawings,	The standard State of the state	
a. the figure of the drawings to be a as suggested by	published with the abstract is Figure No the applicant.	
	is Authority, because the applicant failed to	suggest a figure.
l Land	is Authority, because this figure better chara	
b. X none of the figures is to b	be published with the abstract.	

International application No. PCT/GB2004/004973

INTERNATIONAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims. .
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-25
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-25

Organic semiconductor formulation comprising a) an organic binder and b) polyacenes according to formula A for use in OFETs.

2. claim: 26

Silylethinyl and fluorinated pentacene derivative according to formula 3.

INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2004/004973

A. CLASSIFICATION OF SUBJECT MATTER I PC 7 H01B1/12 H01B1/20

C08L39/04

H01L51/30

H01L51/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

HO1B HO1L CO8L IPC 7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	WO 02/45184 A (AVECIA LIMITED; BROWN, BEVERLEY, ANNE; CUPERTINO, DOMENICO, CARLO; LEE) 6 June 2002 (2002-06-06) cited in the application page 4, line 10 - line 30; claims 1-5	1-4,9-22
X	WO 03/030278 A (KONINKLIJKE PHILIPS ELECTRONICS N.V) 10 April 2003 (2003-04-10) cited in the application page 4, line 1 - page 5, line 6; table 2	1-4,9-22
	-/	

Y Further documents are listed in the continuation of box C.	A Patent lamily members are listed in almos.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier document but published on or after the international filling date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the
"O" document referring to an oral disclosure, use, exhibition or other means	document is combined with one or more other such docu- ments, such combination being obvious to a person skilled in the art.
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report 0 2. 06. 2005
22 March 2005	. —
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Marsitzky, D

Fax: (+31-70) 340-3016

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/004973

Catacas	inuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
A	SHERAW, JACKSON, EATON, ANTHONY: "Functionalized Pentacene Active Layer Organic Thin-Film Transistors" ADVANCED MATERIALS, vol. 15, no. 32, 15 October 2003 (2003-10-15), pages 2009-2011, XP002321980 whole document	1-25			
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/GB2004/004973

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0245184	A 06-06-2002	AU 2081802 A CA 2427222 A1 CN 1478309 A EP 1340270 A1 WO 0245184 A1 JP 2004525501 T US 2004038459 A1	11-06-2002 06-06-2002 25-02-2004 03-09-2003 06-06-2002 19-08-2004 26-02-2004
WO 03030278	A 10-04-2003	CN 1561552 A EP 1438757 A2 WO 03030278 A2 JP 2005505142 T US 2003067005 A1	05-01-2005 21-07-2004 10-04-2003 17-02-2005 10-04-2003